

Fig. 1

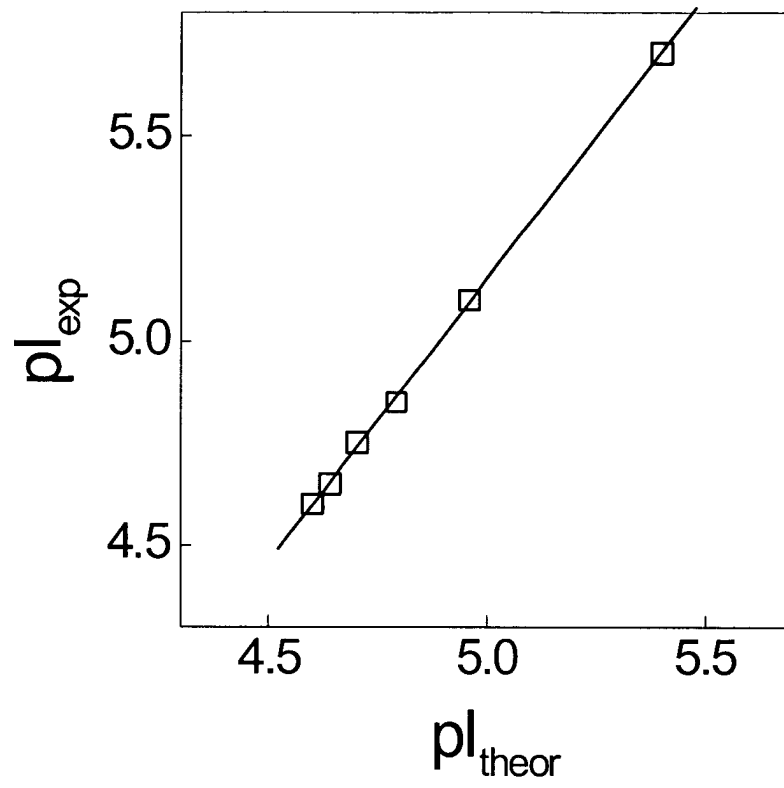


Fig. 2

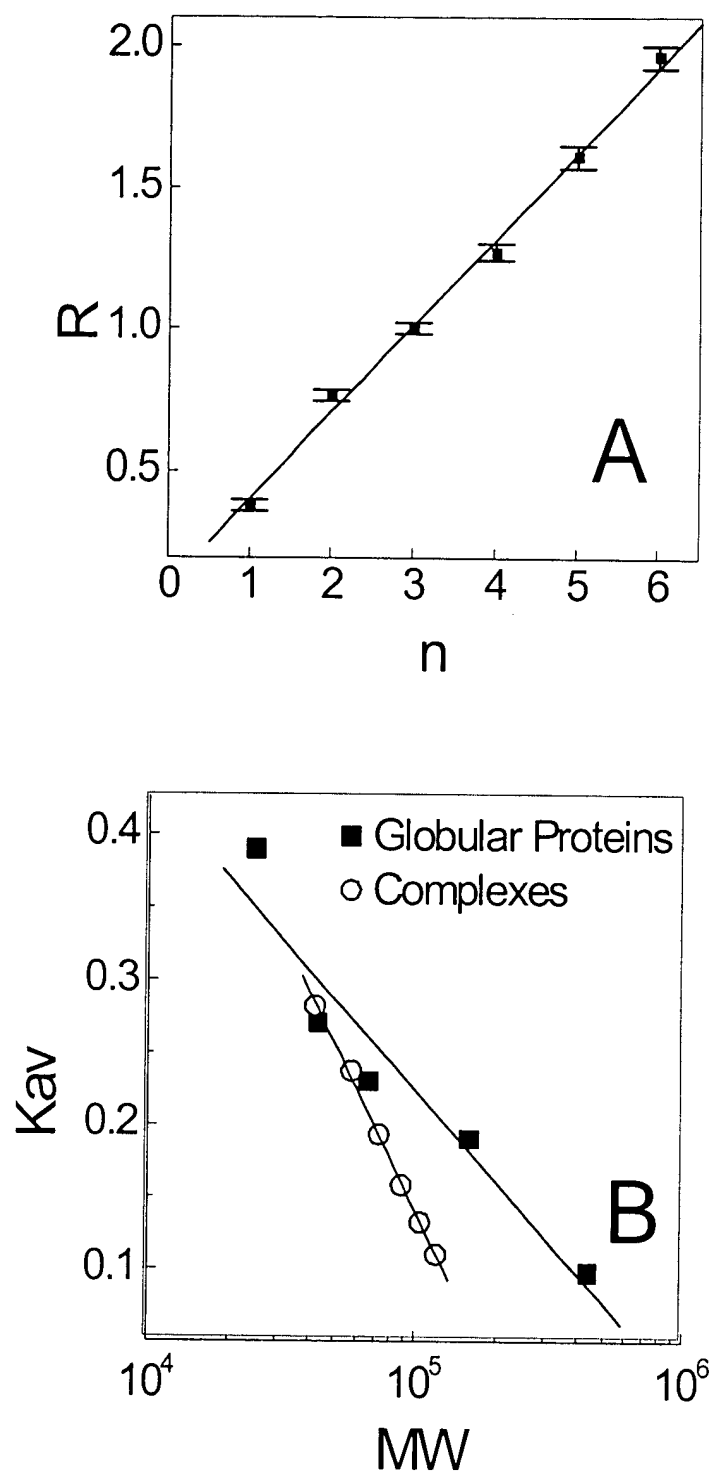


Fig. 3

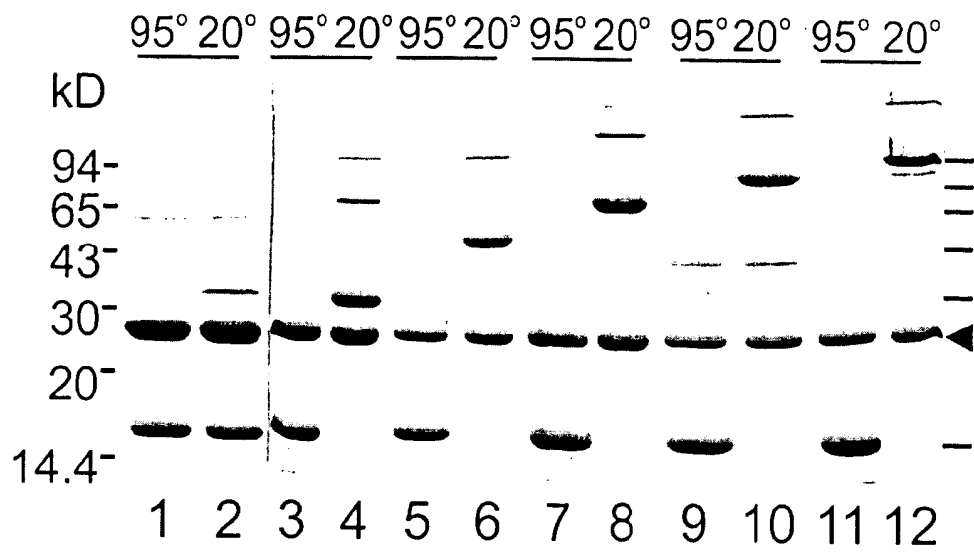


Fig. 4

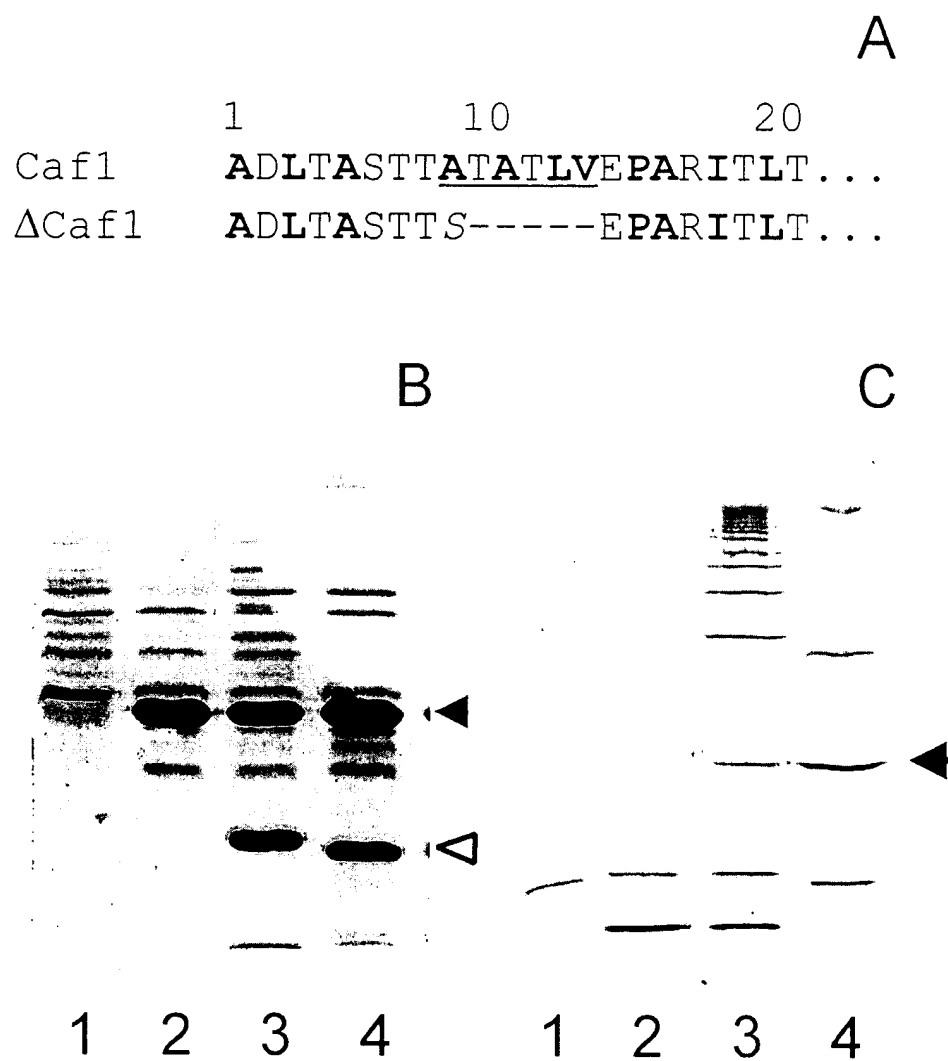


Fig. 5

Deleted variant of CafI	Position of deletion in the N-terminal extention	Polymerization of CafI in periplasm
d1	<sup>1</sup> AD****TTA <sup>9</sup>	+++
d2	<sup>1</sup> AD*****TAT <sup>12</sup>	+++
d3	<sup>1</sup> ADLTASTTS*****EPAR <sup>18</sup>	-
d4	<sup>1</sup> ADLTASTTS*****R <sup>18</sup>	-
d5	<sup>1</sup> ADLTASTTATATLVEP**** LTYK <sup>24</sup>	+
d6	<sup>1</sup> ADLTASTTATATLVEPARI* ***K <sup>24</sup>	+/-

Fig. 6

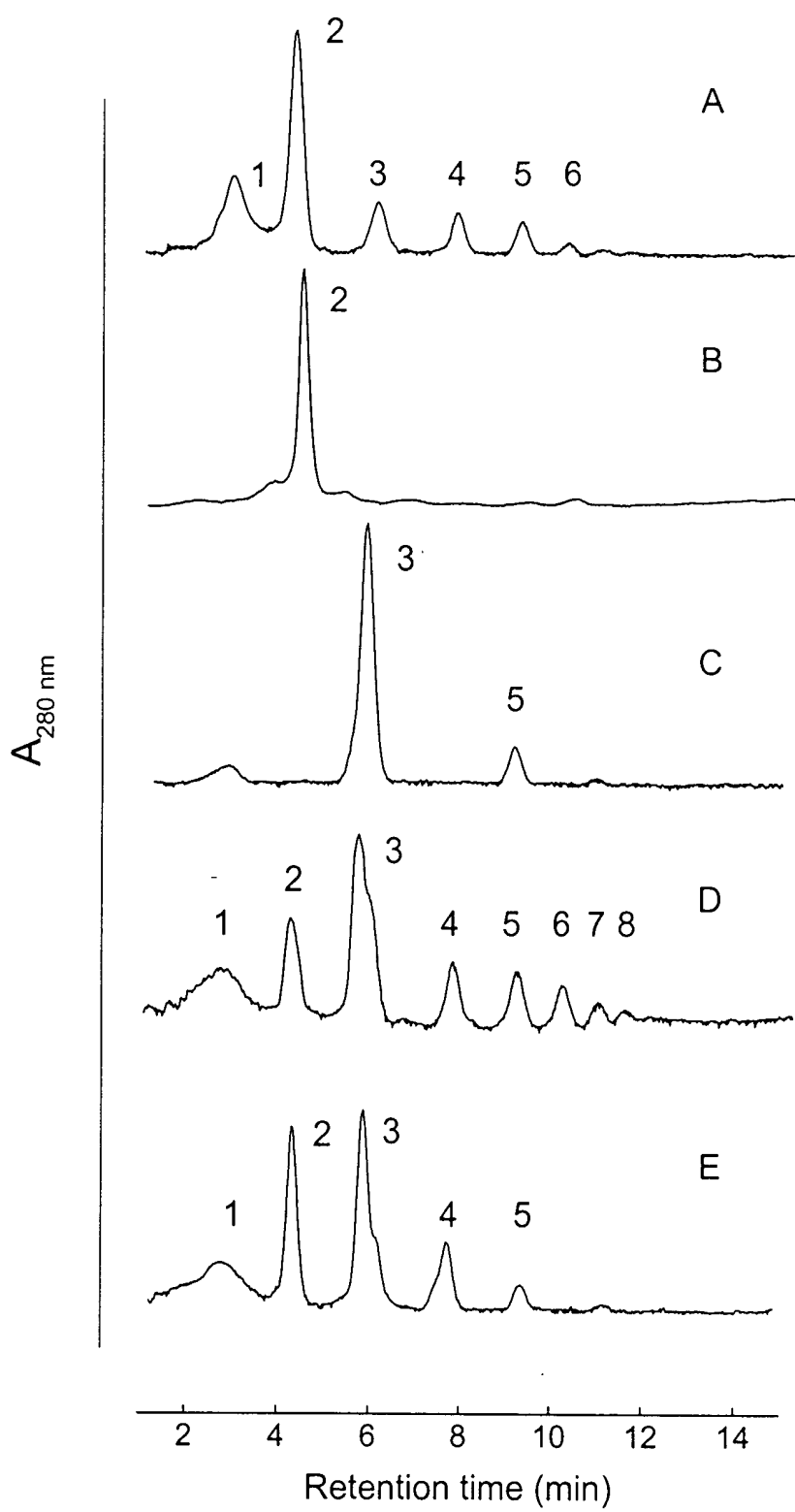
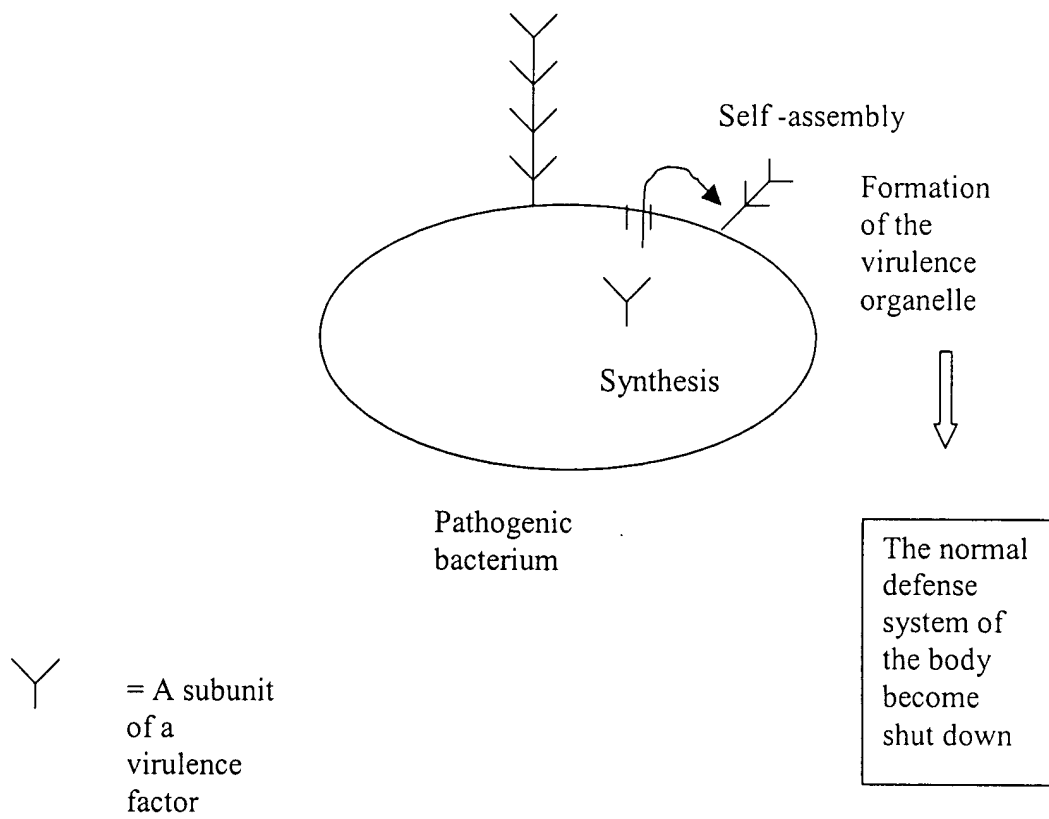
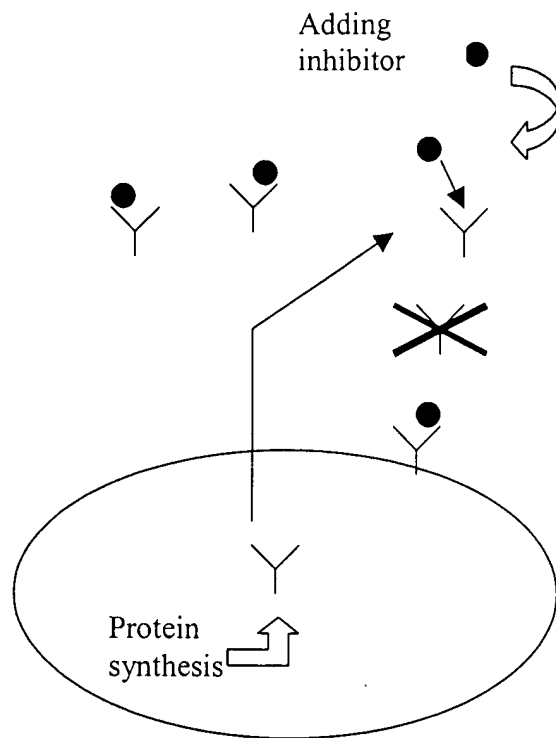


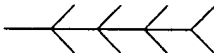
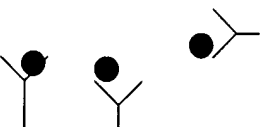
Fig. 7



**Fig. 8**

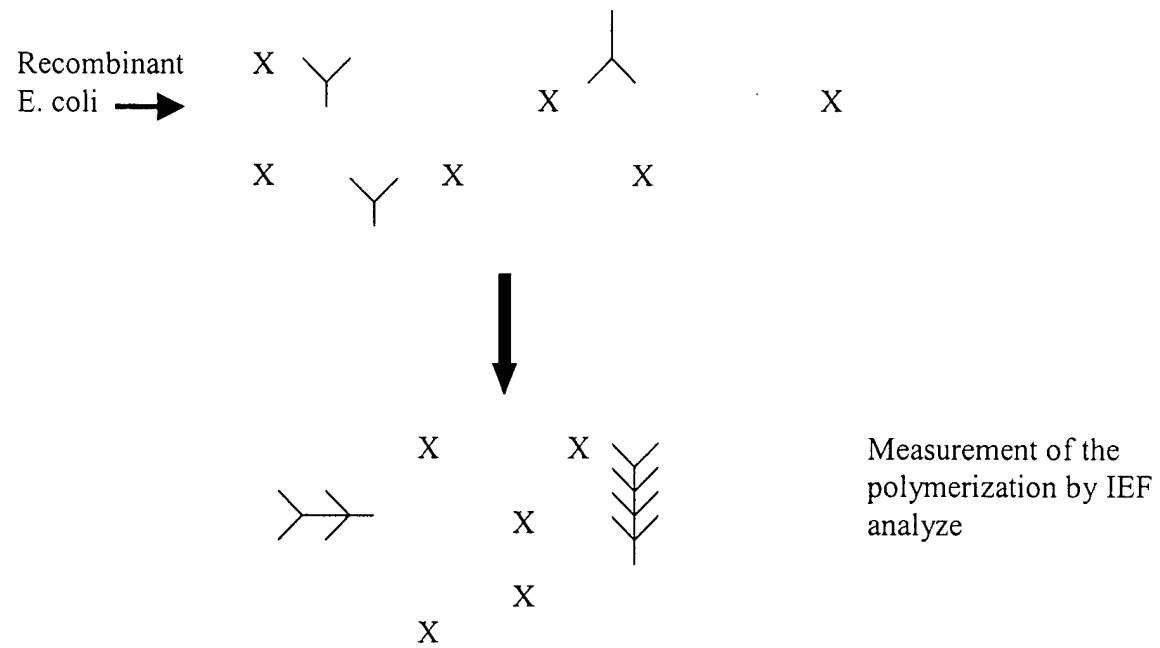




- 1) Without an inhibitor:  Virulence
- 2) With an inhibitor:  No virulence

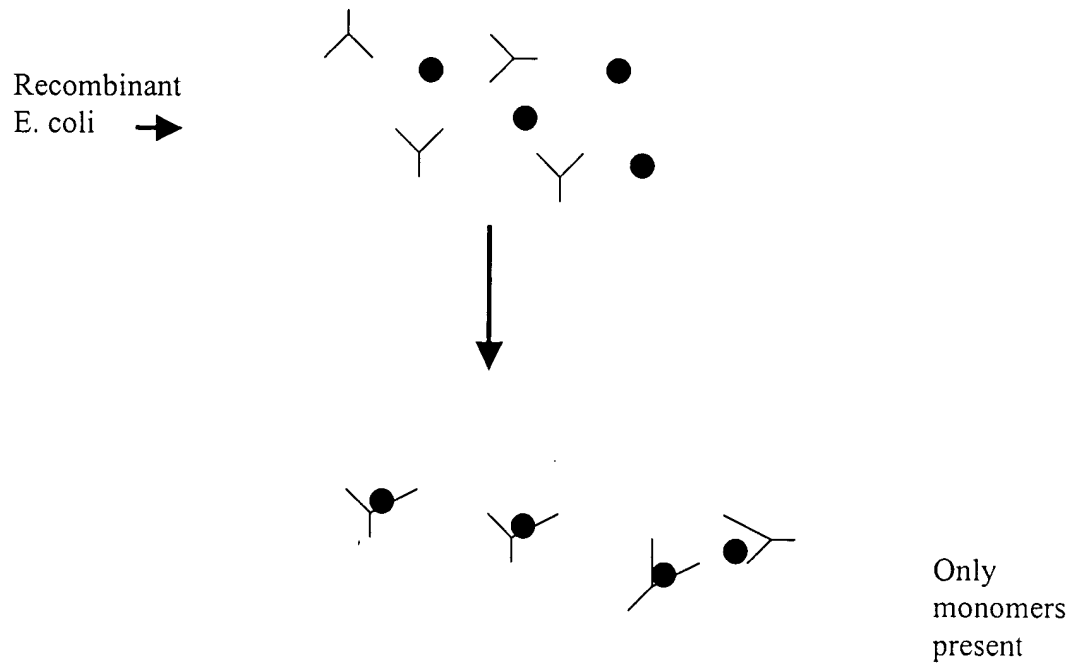
**Fig 9.**

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**Fig. 10 A**

**B** An efficient drug molecule



**Fig. 10 B**

Subunit	Organelle	N-terminal sequence
CafI	F1 capsular antigen	
MyfA	Myf fibrillae	
PsaA	PH6 antigen	
AggA	AAF-I	
AafA	AAF-III	
AfaE-1	AFA-I	
AfaE-2	AFA-II	
AfaE-3	AFA-III	
DraE	Dr haemagglutinin	
AfaE-5	AFA-V	
DrbE-122	Drb122	
DrvE-121	Drb121	
DaaE	F1845 fimbriae	
CseA	CS22 fimbriae	
CS-3	CS-3 fimbriae	
NfaE-111	NFA	
Dra2E	Dr-II	
NfaA	NFA-I	
SefA	SEF-14 fimbriae	
CafIM Gi donor sequence		138ICNNIAFQVFVGVD125

Fig. 11.